

IN THE CLAIMS

In accordance with 37 C.F.R. § 1.21, please substitute for claims 1, 5-12, 16, 17, and 22 the following rewritten versions of the same claims, as amended. The changes are shown explicitly in the attached "Version with Markings to Show Changes Made."

1. (Once Amended) An isolated DNA molecule comprising at least a sequence A flanked by at least site specific recombinase targeting sequences (SSRTS) L1, and at least a sequence B flanked by at least site specific recombinase targeting sequences (SSRTS) L2, said SSRTS L1 and SSRTS L2 being unable to recombine with one another, wherein:

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- (i) sequences L1 are in an orientation opposite to one another,
 - (ii) sequences L2 are in an orientation opposite to one another, and
 - (iii) the order of SSRTS sequences in said DNA molecule is 5'-L1-L2-L1-L2-3'.
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5. (Twice Amended) The DNA molecule according to claim 1, wherein sequences A and B are in a direction opposite to each other.

6. (Twice Amended) The DNA molecule according to claim 1, wherein the recombinase specific of said SSRTS L1 and the recombinase specific of said SSRTS L2 are the same.

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7. (Twice Amended) The DNA molecule according to claim 1, wherein the recombinase specific of said SSRTS L1 and the recombinase specific of said SSRTS L2 are different.

8. (Twice Amended) The DNA molecule according to claim 6, wherein said recombinase specific of said SSRTS is selected from the group consisting of Cre recombinase of bacteriophage P1, the FLP recombinase of *Saccharomyces cerevisiae*, the R recombinase

of *Zygosaccharomyces rouxii* pSR1, the A recombinase of *Kluyveromyces drosophilarius* pKD1, the A recombinase of *Kluyveromyces waltii* pKW1, the integrase λ Int, the recombinase of the GIN recombination system of the Mu phage, and bacterial β recombinase.

9. (Once Amended) The DNA molecule according to claim 8, wherein said recombinase is said Cre recombinase of bacteriophage P1.

10. (Once Amended) The DNA molecule according to claim 9, wherein said SSRTSL1 and/or L2 specific for said Cre recombinase are selected from the group consisting of Lox P1, Lox 66, Lox 71, Lox 511, Lox 512, Lox 514, and mutated Lox P1 sequences, wherein said mutated Lox P1 sequences comprise at least one point mutation in the spacer sequence.

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cont
11. (Once Amended) The DNA molecule according to claim 10, wherein either SSRTS L1 comprises the Lox P1 nucleotide sequence (SEQ ID NO. 1) and SSRTS L2 comprises the Lox 511 nucleotide sequence (SEQ ID NO. 2) or SSRTS L1 comprises the Lox 511 sequence and SSRTS L2 comprises Lox P1 sequence.

12 (Once Amended) The DNA molecule according to claim 8, wherein the recombinase is the FLP recombinase of *Saccharomyces cerevisiae*.

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16. (Once Amended) The DNA molecule according to claim 15, wherein at least the sequences A and/or B are transcribed and translated, wherein said translated sequences code for at least one protein.

17. (Once Amended) The DNA molecule according to claim 16, wherein said protein is a protein of interest.

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22. (Once Amended) The DNA molecule according to claim 21, wherein said autofluorescent protein is selected from the group consisting of the green fluorescent protein (GFP), the enhanced green fluorescent protein (EGFP), the red fluorescent protein (RFP), the blue fluorescent protein (BFP), and the yellow fluorescent protein (YFP).

Please add the following new claim:

B20 53. (New) The DNA molecule of claim 16, wherein said protein is selected from the group consisting of a reporter protein and a selection marker.
